Abstract of the Disclosure

A method of separating the membrane and mineral fractions from an input stream of broken empty egg shells comprises a vacuum treatment to promote the membrane fraction to "eject" or detach from the attached or adhered scraps of mineral, ie., mineral shards or powder. A main processor operates at a level of vacuum that determines a given boiling temperature for water, and one which lower than water's boiling temperature for the local vicinity's barometric pressure (eg., atmospheric pressure). The input stream is pre-heated to above the given boiling temperature for water as determined by the main processor's vacuum level without, however, going over the boiling temperature for the local barometric pressure. It is then introduced into the vacuum of the main processor whereby a small percentage of the water content flashes into steam, and this presumptively promotes membrane matter to eject or detach from the shards or powder of mineral.